

RAW SEQUENCE LISTING

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Application Serial Number: 10/588,067
Source: IFWP
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IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/588,067

DATE: 08/08/2006

TIME: 09:28:52

Input Set : A:\004974.01209 sequence listing.txt

Output Set: N:\CRF4\08082006\J588067.raw

3 <110> APPLICANT: Bayer HealthCare AG
 5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
 Plasma

6 Glutamate Carboxypeptidase (PGCP)
 8 <130> FILE REFERENCE: 004974.01209
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/588,067
 C--> 10 <141> CURRENT FILING DATE: 2006-08-02
 10 <160> NUMBER OF SEQ ID NOS: 5
 12 <170> SOFTWARE: PatentIn version 3.2
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 1901
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 19 <400> SEQUENCE: 1

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21	caccgttaagg	ctaggccgcg	agcttagtcc	tgggagccgc	ctccgtcgcc	gcccgtcagag	120
22	ccgcctatc	agattatctt	aacaagaaaa	ccaactggaa	aaaaaaaaatga	aattccttat	180
23	cttcgcattt	ttcgggtgt	ttcacctttt	atccctgtgc	tctggaaag	ctatatgcaa	240
24	aatggcattc	tctaagagga	ctttgaaga	aataaaaagaa	gaaatagcca	gctgtggaga	300
25	tgttgctaaa	gcaatcatca	acctagctgt	ttatggtaaa	gcccagaaca	gatcctatga	360
26	gcgattggca	cttctgttg	atactgttg	acccagactg	agtggctcca	agaacctaga	420
27	aaaagccatc	caaattatgt	acaaaaacct	gcagcaagat	gggctggaga	aagttcacct	480
28	ggagccagtg	agaatacccc	actgggagag	gggagaagaa	tcaagctgtga	tgctggagcc	540
29	aagaattcat	aagatagcca	tcttgggtct	tggcagcagc	attgggactc	ctccagaagg	600
30	cattacagca	gaagttctgg	tggtgcaccc	tttcgatgaa	ctgcagagaa	gggcctcaga	660
31	agcaagaggg	aagattgttg	ttataaacc	accttacatc	aactactcaa	ggacggtgca	720
32	ataccgaacg	cagggggcgg	tgaagctgc	caaggtgggg	gctttggcat	ctctcattcg	780
33	atccgtggcc	tccttctcca	tctacagtcc	tcacacaggt	attcaggaat	accaggatgg	840
34	cgtcccaag	attccaacag	cctgtattac	ggtggaaagat	gcagaaatga	tgtcaagaat	900
35	ggcttctcat	gggatcaaaa	ttgtcattca	gctaaagatg	ggggcaaaga	cctacccaga	960
36	tactgattcc	ttcaacactg	tagcagagat	caactggagc	aaatatccag	aacaggttgt	1020
37	actggtcagt	ggacatctgg	acagctggga	tgttgggcag	ggtgcctatgg	atgatggcgg	1080
38	tggagccctt	atatcatggg	aagcactctc	acttattaaa	gatcttgggc	tgcgtccaaa	1140
39	gaggactctg	cggctggc	tctggactgc	agaagaacaa	ggtggagttg	gtgccttcca	1200
40	gtattatcag	ttacacaagg	taaatatttc	caactacagt	ctggtgatgg	agtctgacgc	1260
41	aggaaccttc	ttacccactg	ggctgaatt	caactggcagt	aaaaaggcca	ggccatcat	1320
42	ggaggagggtt	atgagctgc	tgcaagccct	caatatca	caggtcctga	gccatggaga	1380
43	agggacagac	atcaactttt	ggatccaagc	tggagtcct	ggagccagtc	tacttgatga	1440
44	cttataacaag	tatttcttct	tccatcactc	ccacggagac	accatgactg	tcatggatcc	1500
45	aaagcagatg	aatgttgc	ctgctgtttg	ggctgttgtt	tcttatgttg	ttgcagacat	1560
46	ggaagaaaatg	ctgccttagt	cctagaaaca	gtaagaaaaga	aacgtttca	tgcttctggc	1620
47	cagaatcct	gggtctgcaa	cttggaaaa	ctccttca	cataacaatt	tcatccaatt	1680
48	catcttcaaa	gcacaactct	attcatgtct	ttctgttatt	atctttcttg	atactttcca	1740
49	aattctctga	ttctagaaaa	aggaatcatt	ctcccctccc	tcccaccaca	tagaatcaac	1800

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50 atatggtagg gattacagtg ggggcatttc tttatatacac ctcttaaaaa cattgttcc 1860
 51 actttaaaag taaacactta ataaattttt ggaagaacaa a 1901
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 472
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Homo sapiens
 58 <400> SEQUENCE: 2
 59 Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu Ser
 60 1 5 10 15
 61 Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys Arg Thr
 62 20 25 30
 63 Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp Val Ala Lys
 64 35 40 45
 65 Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln Asn Arg Ser Tyr
 66 50 55 60
 67 Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly Pro Arg Leu Ser Gly
 68 65 70 75 80
 69 Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile Met Tyr Gln Asn Leu Gln
 70 85 90 95
 71 Gln Asp Gly Leu Glu Lys Val His Leu Glu Pro Val Arg Ile Pro His
 72 100 105 110
 73 Trp Glu Arg Gly Glu Glu Ser Ala Val Met Leu Glu Pro Arg Ile His
 74 115 120 125
 75 Lys Ile Ala Ile Leu Gly Leu Gly Ser Ser Ile Gly Thr Pro Pro Glu
 76 130 135 140
 77 Gly Ile Thr Ala Glu Val Leu Val Val Thr Ser Phe Asp Glu Leu Gln
 78 145 150 155 160
 79 Arg Arg Ala Ser Glu Ala Arg Gly Lys Ile Val Val Tyr Asn Gln Pro
 80 165 170 175
 81 Tyr Ile Asn Tyr Ser Arg Thr Val Gln Tyr Arg Thr Gln Gly Ala Val
 82 180 185 190
 83 Glu Ala Ala Lys Val Gly Ala Leu Ala Ser Leu Ile Arg Ser Val Ala
 84 195 200 205
 85 Ser Phe Ser Ile Tyr Ser Pro His Thr Gly Ile Gln Glu Tyr Gln Asp
 86 210 215 220
 87 Gly Val Pro Lys Ile Pro Thr Ala Cys Ile Thr Val Glu Asp Ala Glu
 88 225 230 235 240
 89 Met Met Ser Arg Met Ala Ser His Gly Ile Lys Ile Val Ile Gln Leu
 90 245 250 255
 91 Lys Met Gly Ala Lys Thr Tyr Pro Asp Thr Asp Ser Phe Asn Thr Val
 92 260 265 270
 93 Ala Glu Ile Thr Gly Ser Lys Tyr Pro Glu Gln Val Val Leu Val Ser
 94 275 280 285
 95 Gly His Leu Asp Ser Trp Asp Val Gly Gln Gly Ala Met Asp Asp Gly
 96 290 295 300
 97 Gly Gly Ala Phe Ile Ser Trp Glu Ala Leu Ser Leu Ile Lys Asp Leu
 98 305 310 315 320
 99 Gly Leu Arg Pro Lys Arg Thr Leu Arg Leu Val Leu Trp Thr Ala Glu
 100 325 330 335

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101 Glu Gln Gly Gly Val Gly Ala Phe Gln Tyr Tyr Gln Leu His Lys Val
102      340          345          350
103 Asn Ile Ser Asn Tyr Ser Leu Val Met Glu Ser Asp Ala Gly Thr Phe
104      355          360          365
105 Leu Pro Thr Gly Leu Gln Phe Thr Gly Ser Glu Lys Ala Arg Ala Ile
106      370          375          380
107 Met Glu Glu Val Met Ser Leu Leu Gln Pro Leu Asn Ile Thr Gln Val
108 385          390          395          400
109 Leu Ser His Gly Glu Gly Thr Asp Ile Asn Phe Trp Ile Gln Ala Gly
110      405          410          415
111 Val Pro Gly Ala Ser Leu Leu Asp Asp Leu Tyr Lys Tyr Phe Phe Phe
112      420          425          430
113 His His Ser His Gly Asp Thr Met Thr Val Met Asp Pro Lys Gln Met
114      435          440          445
115 Asn Val Ala Ala Ala Val Trp Ala Val Val Ser Tyr Val Val Ala Asp
116      450          455          460
117 Met Glu Glu Met Leu Pro Arg Ser
118 465          470
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: forward primer
128 <400> SEQUENCE: 3
129 atgaatgttg ctgctgctgt          20
131 <210> SEQ ID NO: 4
132 <211> LENGTH: 20
133 <212> TYPE: DNA
134 <213> ORGANISM: artificial sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: reverse primer
139 <400> SEQUENCE: 4
140 aggcagcatt tcttccatgt          20
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 27
144 <212> TYPE: DNA
145 <213> ORGANISM: artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: probe
150 <400> SEQUENCE: 5
151 tgggctgttg tttcttatgt tgttgca          27

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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date